

SECTION 10 22 13

WIRE MESH PARTITIONS

PART 1 - GENERAL

1.01 SECTION INCLUDES

- A. Wire mesh partitions and ceiling.
- B. Doors.

1.02 MEASUREMENT AND PAYMENT

- A. General: Wire mesh partitions and ceiling will not be measured separately for payment but will be paid for as part of the Contract lump-sum price for Architectural Work.

1.03 SUBMITTALS

- A. General: Refer to Section 01 33 00 - Submittal Procedures, and Section 01 33 23 - Shop Drawings, Product Data and Samples, for submittal requirements and procedures.
- B. Shop Drawings: Submit detailed Shop Drawings of the wire mesh partitions and ceiling, including installation details, door, hardware, and accessories.
- C. Product Data: Submit manufacturer's product data and specifications of the specified wire mesh partitions.
- D. Samples: Submit a 12-inch by 12-inch wire mesh panel constructed of specified frame members and wire mesh.

PART 2 - PRODUCTS

2.01 WIRE MESH PARTITIONS AND CEILING

- A. Wire Mesh: Crimped, 10 gage steel wire woven into a 1-1/2-inch square-pattern mesh or diamond-pattern mesh, as indicated, securely clinched to frame members.
- B. Frame Members: 1-1/2-inch by 3/4-inch cold-rolled steel channels with 3/16-inch bolt holes approximately 24 inches on center.
- C. Horizontal Reinforcing Members: 1-1/2-inch by 3/4-inch by 1/8-inch cold-rolled steel channel with wire woven through, or two 1-inch by 1/2-inch channels bolted or riveted toe-to-toe through mesh, and secured to vertical members. Provide number of horizontal reinforcing members to suit panel height as recommended by partition manufacturer for the proposed usage.
- D. Stiffening Bars: Provide flat bar stiffener posts between abutting panel frames. Size as recommended by partition manufacturer for partition height required. Increase size of stiffening bars, if required, to maintain partition rigidity.
- E. Top Capping Bars: 3-inch by 4.1-pound channel secured to top framing channel with 1/4-inch "U" bolts spaced not more than 28 inches on center.

- F. Floor Shoes: Cast metal, sized to suit vertical framing and to provide approximately 6 inches clear space between finished floor and bottom horizontal frame members. Furnish units with set screw for leveling adjustment.

2.02 DOORS

- A. Provide hinged door or sliding door, as indicated, meeting the following requirements:
1. Hinged Door: Door frame of 1-1/4-inch by 3/4-inch by 1/8-inch steel channel with 1-1/4-inch by 1/8-inch flat bar cover on three sides, and 1-3/8-inch by 3/4-inch by 1/8-inch angle riveted to the lock side. Door shall have 1-1/2 pair of butt hinges riveted to both door and hinge bar. Door shall have mortise-type cylinder lock operated by key outside with recessed knob inside.
 2. Sliding Door: Door frame of 1-1/2-inch by 3/4-inch by 1/8-inch channel with 1-1/2-inch by 1/8-inch flat bar cover plate on all sides, and 1/8-inch-thick strike bar on lock side. Provide two four-wheel roller-bearing hangers, box track, and bottom guide channel, and mortise-type cylinder lock operated by key outside with recessed knob inside. Align bottom of door with bottom of adjacent panels.
 3. Lock Cylinders: Cylinders for locks are specified in Contract Specifications Section 08 71 00 - Door Hardware.

2.03 FABRICATION

- A. Do not provide components less than sizes indicated. Provide larger size components when recommended by partition component manufacturer for the proposed usage.
- B. Provide anchorage devices, hardware, and installation accessories as required for a complete installation.
- C. Provide manufacturer's standard galvanized finish for wire mesh, framing, and doors.

PART 3 - EXECUTION

3.01 INSTALLATION

- A. Wire mesh partitions and ceiling shall be installed as indicated and in accordance with the approved Shop Drawings and the manufacturer's installation instructions and recommendations.
- B. Erect partitions plumb, rigid, properly aligned, and securely anchored and fastened in place, complying with the manufacturer's recommendations for the proposed usage.
- C. Provide additional field bracing as necessary for rigid, secure, and seismically braced installation. Provide additional clips and bracing as required.

3.02 ADJUST AND CLEAN

- A. Adjust doors for smooth operation without binding.

WIRE MESH PARTITIONS

- B. Touch up damaged finish after completion of installation, using field-applied touch-up cold galvanizing compound to match color of galvanizing.

END OF SECTION 10 22 13